

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 April 2005 (28.04.2005)

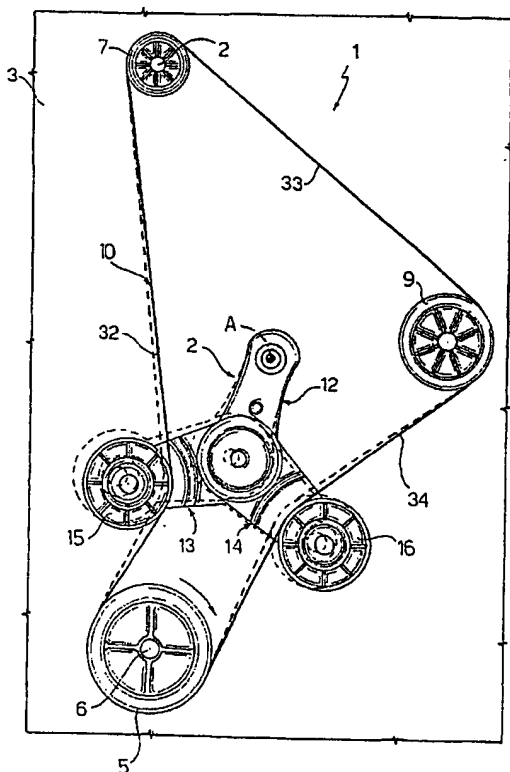
PCT

(10) International Publication Number  
**WO 2005/038297 A1**

- (51) International Patent Classification<sup>7</sup>: **F16H 7/12**
- (21) International Application Number:  
PCT/EP2004/052561
- (22) International Filing Date: 15 October 2004 (15.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
TO2003A 000819 17 October 2003 (17.10.2003) IT
- (71) Applicant (for all designated States except US): **DAYCO EUROPE S.r.l. con Unico Socio** [IT/IT]; Via Papa Leone XIII, 45, I-66013 Chieti Scalo (IT).
- (72) Inventor (for all designated States except US): **MON-TANI, Andrea** [IT/IT]; Via Dei Frentani, 387, I-66100 Chieti (IT).
- (73) Inventor; and  
(75) Inventor/Applicant (for US only): **RUFFINI, Alberto** [IT/IT]; Via Bentivoglio, 3, I-66013 Chieti Scalo (IT).
- (74) Agents: **JORIO, Paolo et al.**; Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: A TWO-ARMED TENSIONER FOR THE DRIVE BELT OF A MOTOR VEHICLE



(57) Abstract: Described herein is a tensioner (2) for a belt (10) of a drive (1) of a motor vehicle, comprising: at least two idle pulleys (15, 16) designed to co-operate with respective belt runs (32, 34) of the belt (10); two arms (13, 14) bearing the pulleys (15, 16); and elastic means (17) acting at least indirectly on the arms (13, 14) for tensioning the belt (10), in which the arms (13, 14) are constrained to one another, and at least one of the arms (13, 14) is hinged to a first mobile axis (C).

WO 2005/038297 A1



ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— with international search report